WHAT IS CLAIMED IS:

1.   A controller that receives printing data for each page from a host, transfers the printing data to a printer and controls the printer to print the printing data while monitoring states thereof is characterized in that it comprises:

an analyzing unit that analyzes the printing data and manages the number of pages transferred to the printer; and

an error processing unit that passes error data and the number of pages of which printing have been completed to the host when an error in which data is not assured occurred in the printer.

2.   A controller according to claim 1 wherein, said analyzing unit is provided with a plurality of analyzing units corresponding to different types of printers, and one of the analyzing units is selected corresponding to the type of printer connected to the controller.

3.   A controller according to claim 1 wherein, said controller further comprises a preset data storage unit that stores preset data of printers to be connected to the controller,

said analyzing unit and said error processing unit execute the respective processes based on the preset data of a printer currently connected to the controller which is stored in the preset data storage unit.

4.   A controller according to claim 2 wherein, said controller further comprises a preset data storage unit that stores preset data of printers to be connected to the controller,

said analyzing unit and said error processing unit execute the respective processes based on the preset data of a printer currently connected to the controller which is stored in the preset data storage unit.

5. A controller according to claim 1 wherein,

said controller further comprises a printer recognizing unit that inquires and recognizes functions of the printer connected to the controller,

said analyzing unit and said error processing unit execute the respective processes based on the functions of a printer currently connected to the controller recognized by the printer recognizing unit.

6. A controller according to claim 2 wherein,

said controller further comprises a printer recognizing unit that inquires and recognizes functions of the printer connected to the controller,

said analyzing unit and said error processing unit execute the respective processes based on the functions of a printer currently connected to the controller recognized by the printer recognizing unit.

7. A controller according to claim 3 wherein,

said controller further comprises a printer recognizing unit that inquires and recognizes functions of the printer connected to the controller,

said analyzing unit and said error processing unit execute the respective processes based on the functions of a printer currently connected to the controller recognized by the printer recognizing unit.

8. A controller according to claim 3 wherein,

said preset data storage unit stores preset data of the printer informed from the host in advance.

9. A controller according to claim 5 wherein,

said preset data storage unit stores preset data of the printer informed from the host in advance.

10. A controller according to claim 1 wherein, when a printer incapable of transmitting a paper feed completion signal is connected to the controller, said error processing unit estimates the number of pages of which printing have been completed based on the

performance of the printer and transmits the estimated
number of pages with error data to the host.

11.   A printing system comprising a host, a
controller that receives printing data for each page
5   transmitted from the host and a printer that receives the
printing data from the controller and carries out
printing while monitoring states of the printer by the
controller, is characterized in that:
                said controller comprises,
10   an analyzing unit that analyzes the
printing data and manages the number of pages transferred
to the printer, and
                an error processing unit that passes error
data and the number of pages of which printing have been
15 completed to the host when an error in which data is not
assured occurred in the printer, wherein
                when an error occurred in the printer,
                said host transmits printing data of which
printing has not been completed to the controller based
20 on data informed by the controller after the printer is
recovered by correcting the error,
                said controller transfers said printing
data to the printer and controls the printer to carry out
re-printing for each page.
25   12.   A recording medium readable by computers on
which programs are recorded which enable a computer to
proceed the steps of receiving printing data for each
page from a host, transferring the printing data to a
printer and controlling the printer to print the printing
30 data while monitoring states thereof, is characterized in
that:
                said programs enable said computer to
function as
                an analyzing unit that analyzes the
35 printing data and manages the number of pages transferred
to the printer; and
                an error processing unit that informs

error data and the number of pages of which printing have been completed to the host when an error in which data is not assured occurs in the printer.

13. A recording medium according to claim 12 wherein,

said analyzing unit is provided with a plurality of analyzing units corresponding to different types of printers, and one of the analyzing units is selected corresponding to the type of a printer connected to the controller.

14. A recording medium according to claim 12 wherein,

said controller further comprises a preset data storage unit that stores preset data of printers to be connected to the controller,

said analyzing unit and said error processing unit execute the respective processes based on the preset data of a printer currently connected to the controller which is stored in the preset data storage unit.

15. A recording medium according to claim 12 wherein,

said controller further comprises a printer recognizing unit that inquires and recognizes functions of the printer connected to the controller,

said analyzing unit and said error processing unit execute the respective processes based on the functions of a printer currently connected to the controller recognized by the printer recognizing unit.

16. A recording medium according to claim 14 wherein,

said preset data storage unit stores preset data of the printer informed from the host in advance.

17. A recording medium according to claim 15 wherein,

said preset data storage unit stores

preset data of the printer informed from the host in advance.

18.   A recording medium according to claim 12 wherein, when a printer incapable of transmitting a paper feed completion signal is connected to the controller, said error processing unit estimates the number of pages of which printing have been completed based on the performance of the printer and transmits the estimated number of pages with error data to the host.